## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO. | DATE     |  |  |  |  |  |
|---------------------------|----------|--------|----------|--|--|--|--|--|
| FEE DETERMINATION         | 10.5     | 701    | In-50-00 |  |  |  |  |  |
| O.I.P.E. CLASSIFIER       | N        | 49     | 11/14/50 |  |  |  |  |  |
| FORMALITY REVIEW          |          |        |          |  |  |  |  |  |
| RESPONSE FORMALITY REVIEW |          |        |          |  |  |  |  |  |
|                           | Su       | 64880  | 12-9     |  |  |  |  |  |

## **INDEX OF CLAIMS**

| ~ | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
| = | Allowed                    | I | Interference |
|   | (Through numeral) Canceled | Α | Appeal       |
| ÷ | Restricted                 | 0 | Objected     |

|          |              |         |           |   | ÷            |              |          | •••••        | •••••          | •••••           | •••••      | H             | esti     | ICIE     | ea       |          |          |          | 0            | ••••     | ••••     |                     |          | ••••• | •••••         | Obj        | ecte         | 0        |  |          |          |              |   |              |          |  |
|----------|--------------|---------|-----------|---|--------------|--------------|----------|--------------|----------------|-----------------|------------|---------------|----------|----------|----------|----------|----------|----------|--------------|----------|----------|---------------------|----------|-------|---------------|------------|--------------|----------|--|----------|----------|--------------|---|--------------|----------|--|
| Claim    |              |         |           |   |              |              |          |              | Claim          |                 |            |               |          |          |          | Da       | te       | ,        |              |          | _        |                     | Cla      | im    |               |            | Date         |          |  |          |          |              |   |              |          |  |
| <u> </u> | 12           | 1       |           |   |              |              |          |              |                | ŀ               |            | ١             | ᇣᅵ       |          |          |          |          |          |              |          |          |                     |          |       |               | <u>a</u>   |              |          |  |          |          |              |   |              |          |  |
| Final    | r            | +       |           |   |              | 1            | l        |              |                |                 |            | Final         | Ē        | ļ        |          |          |          | ŀ        |              |          |          |                     |          | •     | Final         | Original   |              |          |  | ĺ        |          |              | ,   |              |          |  |
| 1 6      | Ĥ            | 4       | ╁         | +   | +-           | ┼-           | +-       | ╁╾           | -              | ├-              | l ⊦        | ш             | 51       | +        | _        | _        | ├        |          | ├            | ┝        | ┝        | Н                   | $\vdash$ |       | ۳             | 101        | +            | +        | ⊢  | H        |          | $\vdash$     | H   | ⊢            | ╁        |  |
| 1/2      |              | +       | +-        | ╁   | ╁            | ╁            | ╁        | +            | ╁              | ╁               | ╽          |               | 52       | +        |          | _        |          |          | ╁╾           |          |          | Н                   | $\vdash$ |       |               | 102        | +            | +        |  |          |          |              | ╁   | ╁            | ╁        |  |
|          | 7            | +       | +         | 十   | +            | +            | +        | +            | H              | ┢               | -          |               | 53       | -        | -        |          | <u> </u> |          | H            |          | ┢        | Н                   | Н        |       |               | 103        | +-           | ╁        | <del> </del>                                     | -        | $\vdash$ | H            |   | ┢            | ┢        |  |
|          | ++           | +       | +-        | +   | ╁            | $\dagger$    | ╁╴       | $\vdash$     | H              | $\vdash$        |            | 1             | 54       | $\dashv$ |          | H        | 一        |          |              |          | $\vdash$ | Н                   | Н        | 1     |               | 104        | +            | +        |  |          | Н        |              | $\vdash$  | $\vdash$     | H        |  |
| 75       |              |         | T         | $\top$  | T            | $\top$       | 1        | $\top$       | 1              |                 |            | 7             | 55       |          |          |          |          | T-       |              |          |          |                     |          | 1     |               | 105        | $\top$       |          | <u> </u>   |          |          |              |   |              |          |  |
| 16       | *            | T       |           | T   |              |              |          |              |                |                 |            |               | 56       |          |          |          |          |          |              |          |          |                     |          |       |               | 106        |              |          |  |          |          |              |   |              |          |  |
| 7        | $\mathbb{D}$ | $\prod$ |           | I   |              |              |          |              |                |                 |            |               | 57       |          |          |          |          |          |              |          |          |                     |          |       |               | 107        |              |          |  | L        |          | L            |   |              |          |  |
| 8        |              | L       | $\perp$   | L   | L            |              | <u> </u> | <u> </u>     |                |                 | L          | $\rightarrow$ | 58       |          |          |          | Ŀ        |          |              |          | <u> </u> |                     | L        |       |               | 108        | 1            | <u> </u> | <u> </u>   |          | <u> </u> | L            | <u> </u>  | L            | L        |  |
| 9        |              | $\perp$ |           | 1   | 1_           | ↓_           | L        | ـــــ        | <u> </u>       |                 | -          | _             | 59       |          | _        |          |          |          |              |          |          |                     |          |       | _             | 109        | _            | <u> </u> | <u> </u>   |          |          | L            | <u> </u>  | <u> </u>     | L        |  |
| 10       | Щ            | Ļ       | _         | _   | 1            | _            | <u> </u> | _            | _              | ļ               | -          |               | 60       | 4        | _        |          |          | <u> </u> |              | <u> </u> | <u> </u> | $\vdash$            | _        |       | -             | 110        | -            | ╄        |  | <u> </u> |          | _            | ₩   | ⊢            | ⊢        |  |
| 47       |              | 4       | -         | 1-  | ┼            | ╄-           | ╁        | -            | <del> </del> _ |                 | ŀ          | _             | 61<br>62 | -        | _        |          |          | <u> </u> | <del> </del> | <u> </u> | <u> </u> | Н                   |          |       | -             | 111        | _            | ŀ        |  | _        | L        | _            | <u> </u>  | ├            | ├        |  |
| 12       |              | +       | +-        | ╁   | ╁            | ╁            | ┼        | ├            | ╁              | <b> </b>        | -          | _             | 63       | 4        | $\dashv$ |          |          |          | ├            | ┝        | ⊢        | Н                   |          |       | _             | 112<br>113 |              | +-       | <del> </del>                                     |          |          | <del> </del> | ├   | ⊢            | ⊢        |  |
| 14       |              | +       | +         | +   | +            | ╁            | $\vdash$ | ╁            | ⊢              | ⊢               | <b> </b> - | $\rightarrow$ | 64       | $\dashv$ | $\dashv$ | _        | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ | Н                   | Н        |       | -             | 114        | +            | +        | $\vdash$   | $\vdash$ | _        | -            | ├   | ├-           | ╁╾       |  |
| 15       |              | +       | ╁         | ╁   | +            | ╁            | +        | ╁            | ╁              | -               | <b> </b> - |               | 65       | $\dashv$ | $\dashv$ | _        | $\vdash$ | $\vdash$ | $\vdash$     | ┝        | -        | Н                   | -        |       |               | 115        | +            | +        | $\vdash$   | $\vdash$ |          | $\vdash$     | $\vdash$  | ╁            | ╁        |  |
| 16       | +-           | +       | ╁         | ╁   | ╁            | ╁╌           |          | ┼─           | ├-             |                 | -          |               | 66       | +        | $\dashv$ |          | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$ |          | H                   |          |       | H             | 116        | +            | +        |  |          |          |              | -   | ┢            | ╁        |  |
| 17       | -1-          | +       | +         | T   | T            | t            | t        | t            | $\vdash$       |                 |            |               | 67       | 1        | $\dashv$ |          |          | -        |              |          | -        |                     |          |       |               | 117        | _            | 1        |  |          |          |              |   | H            | T        |  |
| 18       |              | T       | $\top$    | †   | T            | T            | -        |              | T              |                 |            | ┪             | 68       | $\top$   | T        |          |          | $\vdash$ |              |          |          |                     |          |       | Г             | 118        | 1            | 1        | <del>                                     </del> |          | _        |              |   | T            | Т        |  |
| 18       | 11           | T       | 1         | 1   | ╁            | $\top$       | 1        | 1            |                | П               |            | ╗             | 69       | T        |          |          |          |          |              |          |          | П                   |          |       |               | 119        |              |          |  |          |          |              |   |              | Т        |  |
| 20       |              | T       | 1         | 1   | T            |              | T -      | 1            | Ì              |                 |            | 1             | 70       | T        |          |          |          |          |              |          |          |                     |          |       |               | 120        | T            |          | Γ  |          |          |              |   |              | Г        |  |
| 1 1/21   | Ħ            | T       | $\top$    | T   | 1            | $\top$       | <u> </u> | $\vdash$     |                | Т               |            |               | 71       | T        |          |          |          |          |              |          |          |                     |          |       |               | 121        | $\top$       | T        |  |          |          |              |   | Г            | Г        |  |
| 22       | 7            | Τ       |           |   |              |              |          |              |                |                 |            |               | 72       |          |          |          |          |          |              |          |          |                     |          |       |               | 122        |              |          |  |          |          |              |   |              |          |  |
| 23       |              | L       |           |   |              |              |          |              |                |                 |            | _             | 73       |          |          |          | <u></u>  |          |              |          |          | Ш                   |          |       |               | 123        |              | <u> </u> | L_   |          |          |              | $ldsymbol{ld}}}}}}$ | L            |          |  |
| 24       | -            | $\perp$ | 1         | L   | !            | _            |          |              |                |                 | L          |               | 74       | $\perp$  | _        |          |          |          |              |          |          |                     |          |       |               | 124        |              | <u> </u> | <u> </u>   |          |          |              | oxdot   | L            | L        |  |
| 25       |              | ╄       | 1_        | L   | 1            |              | <u> </u> |              | <u> </u>       | L.              | _          |               | 75       |          | _        |          |          |          |              |          |          |                     |          |       | $\overline{}$ | 125        | +            | -        | _  |          |          |              | $\vdash$  | L            | ┞        |  |
| 26       | #            | -       | 4         | ╁.  | 1_           | ļ            | Ь.       | <u> </u>     | <u> </u>       | Ш               | F          |               | 76       | 4        | 4        |          |          | _        | <u> </u>     |          | _        | $\vdash$            |          |       |               | 126        | +-           |          | <u> </u>   |          |          |              | _   | <del> </del> | ⊢        |  |
| 27       | H            | ╀       | +         | ╀   | <del> </del> | _            | <u> </u> | <u> </u>     | L              | Ш               | -          | _             | 77<br>78 | +        |          |          |          |          | _            | _        | _        | Н                   |          |       |               | 127<br>128 | +            | ╀        | _  |          |          | -            |   | ⊢            | ⊬        |  |
| 29       | Н            | ╀       | +         | $\vdash$                                      | ⊢            | ⊢            | -        | <del> </del> | -              | $\vdash$        | F          |               | 79       | +        | $\dashv$ | _        |          |          |              | H        | _        | $\vdash$            |          |       |               | 129        | ┿            | ┼        |  | -        |          |              | H   | ⊢            | ⊢        |  |
| 30       | ╁            | +       | ╫         | ┼   | ╁            | ├            | -        | -            | ├              | -               | -          | _             | 80       | +        | ᅱ        | $\dashv$ |          |          | -            |          |          | $\dashv$            |          |       |               | 130        | +-           | ╁        | $\vdash$   |          |          | $\vdash$     |   |              | ┝        |  |
| 31       | H            | ╁       | +         | ╁   | 1            | ┢            |          | H            | ┢              |                 | -          |               | 81       | +        | $\dashv$ | $\dashv$ | _        |          | <del> </del> | _        |          | $\vdash$            | $\dashv$ |       | $\overline{}$ | 131        | +-           | †        | -  |          |          | -            |   | -            | ┢        |  |
| 32       | Н            | t       | +         | <u>†                                     </u> | <del> </del> | 1            | _        | $\vdash$     | ┢              | Н               |            | _             | 82       | +        | -        | _        |          |          |              | ٧.       | _        |                     |          |       |               | 132        | +            |          | $\vdash$   |          |          |              |   | _            | ┢        |  |
| 33       |              | 1       | $\dagger$ | T   | <b>†</b>     | <u> </u>     |          |              |                | П               | _ T        |               | 33       | 十        |          |          |          |          |              |          |          |                     | _        |       | П             | 133        | 1            | Т        |  |          |          |              |   |              | Г        |  |
| 34       |              | ╙       | $\top$    |   |              |              |          |              |                |                 |            | 1             | 84       | T        |          |          |          |          |              |          |          |                     |          |       |               | 134        |              |          |  |          |          |              |   |              |          |  |
| (35      | D            |         |           |   |              |              |          |              |                |                 |            | _             | 85       |          |          |          |          |          |              |          |          |                     |          |       |               | 135        |              | _        |  |          |          |              |   | _            |          |  |
| (36      |              |         |           | L   | L            |              |          |              |                |                 |            | _             | 36       |          |          |          |          |          |              |          |          |                     |          |       |               | 136        |              | L        |  |          |          |              |   | L            | L        |  |
| 37<br>38 | K            | L       |           | L   | _            | _            | <u> </u> | _            | _              | Ц               | _          |               | 37       | $\perp$  | $ \bot $ | _        | _        | Щ        |              |          |          | Ц                   | _        |       |               | 137        | 4-           | ↓_       | <u> </u>   | _        |          | _            |   | <u> </u>     | $\vdash$ |  |
|          | K            | 1       | -         | <u> </u>                                      | <u> </u>     |              | <u> </u> | <u>.</u>     |                | Щ               | L          | _             | 88       | 4        | _        | _        |          | Щ        |              |          |          | $\vdash \downarrow$ | _        |       |               | 138        | $\bot$       | ₩        | <u> </u>   | _        |          | _            | Ш   | $\vdash$     | -        |  |
| 39       | 4            | 1       | 1         | <u> </u>                                      | _            | 1            | _        | <u> </u>     | <u> </u>       | $\vdash \dashv$ | <br> -     |               | 89       | +        | 4        | 4        | Щ        |          | _            |          |          | Н                   | 4        |       |               | 139        | ╂-           |          | <u> </u>   | H        |          |              | H   | $\vdash$     | $\vdash$ |  |
|          | _            | 1       | 4         | ┞   | <u> </u>     | _            |          | _            | <u> </u>       | $\sqcup$        | -          |               | 90       | 4        | _        | _        | Ц        | _        | <u> </u>     |          | $\sqcup$ | Щ                   | _        |       |               | 140        | <del> </del> |          | <u> </u>   | _        |          | L_           |   | -            | <u> </u> |  |
| 41       |              | ╀       | $\perp$   | L   | <u>Ļ</u>     | <u> </u>     | L        | lacksquare   |                | Ц               | L          | _             | 91       | 4        | _        |          |          | _        | $\vdash$     | _        | _        | Щ                   | _        |       |               | 141        | +            | ـــ      | _  | -        |          |              | Ш   | <u> </u>     | <u> </u> |  |
| 42       |              | +       | ╁         | <del> </del>                                  | <u> </u>     | <u> </u>     | _        | _            | L              | $\vdash \dashv$ | -          |               | 92       | +        | 4        | -        | $\vdash$ |          | -            | _        |          | $\vdash \dashv$     | 4        |       | -             | 142<br>143 | +-           |          |  | -        |          |              | Н   | -            |          |  |
| 43       |              | +       | -         | ┼   | -            | -            |          | -            |                | $\vdash$        | -          |               | 93<br>94 | +        | $\dashv$ | $\dashv$ | $\vdash$ |          | -            |          | -        | $\vdash$            | -        |       | -             | 144        | +            | $\vdash$ | <u> </u>   | H        | -        |              | Н   | -            | $\vdash$ |  |
| 44       |              | +-      | +-        | $\vdash$                                      | $\vdash$     | ┝            | -        | -            | -              | Н               | F          |               | 95       | +        | +        | -        | $\dashv$ | -        | $\vdash$     | _        |          | $\vdash$            |          |       |               | 144        | +            | $\vdash$ | $\vdash$   | H        |          |              | -   | $\vdash$     | $\vdash$ |  |
| 45       |              | ╁       | ╁         | ╁   | ╁            | ┢            | -        |              |                | Н               | <br> -     |               | 96       | +        | $\dashv$ | $\dashv$ | $\dashv$ |          | $\vdash$     |          |          | $\vdash$            | -        |       | -             | 146        | +            | $\vdash$ |  | Н        |          |              |   | -            | $\vdash$ |  |
| 47       | $\vdash$     | +       | +-        | ╁╴  | +            | ╁            | -        |              | -              | $\vdash \vdash$ | H          |               | 97       | +        | $\dashv$ | $\dashv$ | $\dashv$ |          | Н            | _        |          | $\vdash$            | $\dashv$ |       |               | 147        | +            | $\vdash$ | Н  | H        |          |              | П   | _            | $\vdash$ |  |
| 48       | $\vdash$     | ۲       | +         | t   | $\vdash$     | <del> </del> | -        | $\vdash$     | $\vdash$       | $\vdash$        | F          | ш.            | 98       | 十        | ᅱ        | ᅱ        | -        | -        |              |          | _        | $\vdash$            | $\dashv$ |       |               | 148        | +-           |          |  |          |          |              | $\Box$  | _            |          |  |
| 49       | T            | 1       | +         | $\vdash$                                      | $\vdash$     | 1            | 1        | $\vdash$     | T              | П               |            |               | 99       | +        | 7        | _        |          |          | _            | -        |          | $\sqcap$            |          |       |               | 149        | T            |          |  |          |          |              |   |              |          |  |
| 50       |              |         |           |   |              |              |          |              |                |                 |            | h             | 00       | $\perp$  |          |          |          |          |              |          |          |                     |          |       |               | 150        |              |          |  |          |          |              |   |              |          |  |
|          | •            | •       |           | •   |              | -            |          | -            | _              |                 | _          | _             |          |          |          |          |          |          |              | _        |          | _                   | _        |       |               |            |              |          | _  |          |          |              |   |              |          |  |

If more than 150 claims or 10 actions staple additional sheet here